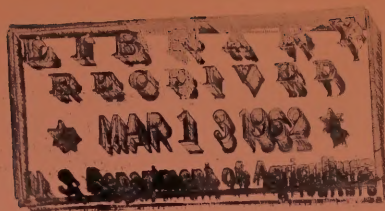


62

Or



Santa Cruz
TROPICAL GARDENS
1962

Santa Cruz, Calif.

Santa Cruz Tropical Gardens was formerly known as Shaffer's Tropical Gardens. In November, 1961, Keith Shaffer's interest was purchased by two of his former employees, Jasper Ayers and Elwood Carlson. This change of ownership will in no manner change the policy or practices of this well known orchid firm. Mr. Ayers has been in charge of the breeding program here for several years, and he has a wide knowledge of all the parent plants and seedlings in the collection.

This firm has been known for many years as one of the world's leading Phalaenopsis growers and breeders. As this catalog goes to press, there are many thousands of fine seedlings and mature plants in the greenhouses of Santa Cruz Tropical Gardens. These plants are the results of three and four generations of planned breeding.

With today's methods of growing Phalaenopsis, we are able to bring plants to maturity in a shorter period of time with much less mortality. You will note that the size of our seedlings has been increased to pass this savings on to you, our customers.

If at any time you are in our area, please feel free to stop in and meet us personally. We are open seven days a week, from 9:00 A.M. to 5:00 P.M.

Santa Cruz
TROPICAL GARDENS
1220 41st AVENUE SANTA CRUZ, CALIFORNIA

Phalaenopsis Seedlings

Leaf Span	Price
4"-5" -----	\$2.50
6"-7" -----	\$4.00
8"-9" -----	\$6.00
10"-12" -----	\$7.50



PHAL. ELINOR SHAFFER (FIRST FLOWERING)

58-18—GRACE PALM (Doris 'Jean' x Winged Victory 'Purity')

We have made Grace Palm several times, and this cross far surpasses all the others. Flowers have been from 4¼ to 4½ inches across of excellent form and substance. Some really fine flowers are coming from this cross.

Sizes 8"-9", 10"-12" and Selected Varieties, \$25.00 to \$50.00.

58-10—DOS PUEBLOS (Grace Palm 'Gigantic' x Doris 'Jean')

We are getting some flowers close to 5" across from this cross. Although the flowers are slightly open, they are a wonderful commercial and display plant. The Grace Palm parent has carried as many as twenty-two 5½" flowers on one unbranching spike. Plants are very vigorous, some in 8" pots two years out of the flask.

Sizes 8"-9", 10"-12", Selected Varieties, \$20.00 to \$35.00.

58-9—ELINOR SHAFFER (Juanita 'Snowball' x Doris 'Jean')

The prediction was for some wonderful things to come from this mating, but the results have been far above our expectations. Flowers have been very round with terrific substance and smooth texture. Several plants have been set aside for future stud purposes, and we have not yet flowered ten per cent of the cross.

Sizes 8"-9", 10"-12", Selected Varieties, \$25.00 to \$50.00.

59-7—GRACE PALM (Doris 'Jean' x Winged Victory 'Admiral')

Another remake of this famous cross, the Winged Victory, has what we consider perfect spike habit. It carries from sixteen to twenty very heavy flowers. The Doris is a proven parent in the three previous crosses.

Sizes 6"-7", 8"-9", 10"-12".

59-5—GLADYS READ (Juanita 'Snowball' HCC/AOS x Grace Palm 'Gigantic' HCC/AOS)

The first eight seedlings of this cross are in flower as this catalog is being compiled, and every one has far above average blooms. None of the spikes are on large plants, but all the flowers are over four inches across, and they have marvelous form. To those who are looking for exhibition plants, we highly recommend this cross.

Sizes 6"-7", 8"-9", 10"-12".

On orders of ten plants or more, in any combination, you may deduct ten per cent.

Phalaenopsis Seedlings

60-19—RAMONA 'PERFECTION' AM/AOS x JUANITA 'SNOWBALL'

Here are two marvelous *Phalaenopsis* combined to produce beautifully formed flowers with heavy substance and smooth texture. The Juanita, we feel, is one of the outstanding stud plants in existence, and many people who have seen Ramona 'Perfection' have anxiously been awaiting the offering of its seedlings.

Sizes 4"-5", 6"-7", 8"-9"

60-20—RAMONA 'PERFECTION' x WINGED VICTOR 'PURITY'

This is the Winged Victory which we used to make cross Number 58-18. It is a very closed flower of medium size and good substance. This Winged Victory is, as is the case with all our other white parent plants, a tetraploid.

Sizes 4"-5", 6"-7", 8"-9"



"WOODY" CARLSON IN OUR SEEDLING HOUSE

PINKS

58-127—ROSWELL (Aalsmeer Rose 'Bleeding Heart' x Ruby Wells)

Flowers are coming 3 to 3½ inches across. They are deep rose pink of good form. Here is a cross which will produce plants that may carry up to 100 flowers at a time. For a specimen plant or a lot of color in your greenhouse, this will be hard to beat.

Sizes 4"-5", 6"-7", 8"-9"

58-3—ELISA

We no longer have seedlings to offer of this cross, but we have a good block of selected plants. These plants bear blooms from 4-4½ inches across of deep pink color, and they are priced from \$20.00 to \$35.00 each.

On orders of ten plants or more, in any combination, you may deduct ten per cent.

Novelty Type Phalaenopsis Seedlings

58-122—JEWEL (Dolores 'Pink Lip' x Rosy Pam)

Rosy Pam is a very charming light pink flower with a very dark purple-red lip. The flower is about 2 inches across, and the spike is branching, carrying an abundance of blooms. Many of the seedlings have pink to red lips.

Sizes 4"-5", 6"-7", 8"-9"

59-12—SUNRAY (Sally Lowrey x Dolores 'Pink Lip')

This line of breeding has produced approximately 25 to 30 percent of the progeny with colored lips. Flowers are from 3 to 4 inches across, many with excellent form.

Sizes 4"-5", 6"-7", 8"-9"

60-48—RUBY WELLS x LUEDEMANNIANA

Ruby Wells is a deep rose-pink. The Luedemanniana used in this cross is very heavily barred with good flat form. Progeny will vary from spotted to solid rose.

Sizes 3"-4" @ \$3.50

216—STAR OF SANTA CRUZ (Nasu Tomaguchi x Luedemanniana)

Wonderfully different! Flowers are $3\frac{1}{2}$ "-4" across and somewhat starry shaped. Substance is terrific. Colors range from white with a few pink spots and a colored lip to some which appear completely pink because of the dense spotting. Keeping quality is superior to anything we have ever seen in Phalaenopsis.

Plants 7"-8" across \$10.00 each
Selected Varieties \$20.00 to \$50.00

59-79—TOPAZ (Juanita x Mannii)

This cross is much like Golden Louis and Golden Palm. The Juanita used here, though not as large as some, is, in our estimation, one of the finest formed flowers we have seen.

Sizes 5"-6" @ \$5.00, 7"-8" @ \$7.50

59-80—INSPIRATION (Juanita x Luedemanniana 'Ochracea')

The same Juanita was used in this cross as in #59-79. Luedemanniana 'Ochracea' is a yellow flower with chestnut colored barring. Progeny could range from all yellow or cream to yellow with spots or stripes.

Sizes 5"-6" @ \$5.00, 7"-8" @ \$7.50

58-82—CABRILLO STAR (Ramona 'Perfection' AM/AOS x Luedemanniana Pulchra 'Purpurea')

The pod parent of this new cross is the finest flower we have. Luedemanniana Pulchra 'Purpurea' is the solid maroon form of Luedemanniana which caused quite a stir during the World Orchid Congress in Honolulu a few years ago. The progeny will, in all likelihood, not be solid colored but will surely be very heavily spotted or barred with pink or red.

Sizes 5"-6" @ \$5.00, 7"-8" @ \$7.50

On orders of ten plants or more, in any combination, you may deduct ten per cent.



SPRING TIME AT THE TROPICAL GARDENS

Cymbidium Seedlings

Size	Price Each
6"-10" Leaf length	\$2.00
12"-18" Leaf length	\$3.50
1 Bulb and growth	\$6.00
2 Bulbs and growth	\$10.00

JEAN AYERS (Alexanderi 'Westonbirt' FCC/RHS x Indio 'Torch')

Blushes, pinks, and rose are the colors in this cross. Plants are vigorous and free blooming. March, April, and May flowering.

Size 12"-18" 1 Bulb, 2 Bulb

ASPEN (Chesham 'Green Valley' x Babylon 'Castle Hill' FCC/RHS)

Unusual combinations of colors. Bronze over yellow and green with pink edging, are some of the colors we've seen. Mid-season to late flowering.

Sizes 1 Bulb, 2 Bulb

ARABIAN NIGHTS (Balkis 'Silver Orb' AM/ AOS x Sussex 'Glendessary')

This Sussex is a white diploid carrying up to 32 flowers on a spray. Crossed with the famous 'Silver Orb', the results should be outstanding. Mid-season flowering.

Size 12"-18" Bulb and Growth

SAN MIGUEL (Doris Aurea 'F. J. Noonan' x Sicily)

This is a remake of a well known cross. Flowers are large and come in shades of green and yellow. December and January blooming.

Size 1 Bulb

DORIS AUREA 'F. J. NOONAN' x CRESTA 'AM/RHS'

Cresta is a medium sized flower of exceptional substance. It is pure white in color and flowers early because of its grandiflorum parent. Seedlings of this cross should come mainly in shades of yellow with a possibility of a few pinks.

Sizes 6"-10", 12"-18"

GRACE MITCHEL (Alexanderi 'Westonbirt' FCC/RHS x Apollo 'Exbury' FCC/RHS)

Apollo is being used quite extensively in modern Cymbidium breeding because of the fine shape imparted to its progeny. When crossed with Alexanderi, colors range mainly in shades of yellow with a few blushed and whites.

Sizes 1 Bulb and Growth, 2 Bulb

On orders of ten plants or more, in any combination, you may deduct ten per cent.

Cymbidium Seedlings

ALEXANDERI 'WESTONBIRT' FCC/RHS x SELF

The most widely used and successful Tetraploid Cymbidium of all time has been selfed in an attempt to produce Tetraploid seedlings which could become even more successful as breeders than their famous parent. Many will probably be fuller flowers than 'Westonbirt'.

Sizes 6"-10", 12"-18", 1 Bulb and Growth

HEATHROW 'MARY BEA' x BALKIS 'SILVER ORB' AM/AOS

Whites, creams, yellows and light greens for the January-February season should be the results here. Lots of flowers.

Size 12"-18"

RUSPER 'EXQUISITA' x BALKIS 'SILVER ORB'

Mid-season blooms of fine form in shades of blush, peach, and pink. Should be many exhibition plants in this cross.

Sizes 6"-10", 12"-18", 1 Bulb and Growth

CONINGSBYANUM 'EXBURY' x ROSANNA 'PINKIE' FCC/RHS

We expect white, blush pink, and yellow flowers. Could be a little on the early side. Flowers should be quite large.

Size 12"-18", 1 Bulb, 2 Bulb

APOLLO 'EXBURY' FCC/RHS x BABYLON 'CASTLE HILL' FCC/RHS

Yellows, pinks and unusuals with some of the most outstanding lips ever seen should be produced in the mating of these two well known parents. Terrific spikes with many flowers of large size.

Size 12"-18", 1 Bulb and Growth, 2 Bulb

NICKY # 23 x BALKIS 'SILVER ORB'

Nicky is a clear green. It produces 18 to 24 flowers per spray and flowers here in late January or early February. Progeny will be in shades of yellow and green with a few blushes and whites.

Sizes 6"-10", 12"-18"

CONINGSBYANUM x BALKIS 'SILVER ORB'

Here again the colors should be blushes, pinks and yellows. With a little heat many of this cross should be ready to cut by Valentine's Day. Production will be very good.

Sizes 6"-10", 12"-18"

CHIRBROOK 'MALIBU' x ROSANNA 'PINKIE' RHS/FCC

The Chirbrook used here was a buff pink with good flower production. Used with Rosanna 'Pinkie', we should get a great many fine flush pink with some whites. Shape and substance should be good.

Size 12"-18", 1 Bulb and Growth, 2 Bulb

APOLLO 'EXBURY' RHS/FCC x ROSANNA 'PINKIE' RHS/FCC

Apollo 'Exbury' has recently been used more and more and imparts to its seedling that deep red lip that is so outstanding. With Rosanna 'Pinkie' as the pollen parent, we should have extra fine shape too. Expect whites, very light greens and some flush pinks.

Size 12"-18", 1 Bulb and Growth, 2 Bulb

BABYLON 'CASTLE HILL' FCC/RHS x SUSSEX 'LAELIA SASSO'

For those who are seeking high color, this cross holds a lot of promise. Blooms will be quite variable with colors ranging from pink or rose to apricot and bronze.

Size 6"-10"

On orders of ten plants or more, in any combination, you may deduct ten per cent.



CYMBIDIUM PUNITA

Miniature Cymbidium Seedlings

Prices:

1 Bulb and Growth.....	\$5.00
2 Bulbs and Growth.....	\$7.50
3 Bulbs and Growth.....	\$10.00

Miniature Cymbidiums are very popular as they grow and flower well under either Cymbidium or Cattleya conditions. To those with limited space, or conditions not acceptable for growing standard Cymbidiums, we highly recommend these plants.

57-49—PUNITA (Juanita x Pumilum)

This cross is producing flowers in shades of green and chartreuse. It is a very prolific hybrid. Three bulb plants have produced up to four spikes of eighteen flowers each. The plants are very uniform in growth. We expect to see up to one hundred flowers or more in a six or seven inch pot.

Sizes 1 Bulb, 2 Bulbs, 3 Bulbs

58-41—PUSETTE (Susette x Pumilum)

All shades of pink and rose blooms may be expected from this mating. We feel that we are getting clearer colors in our miniature Cymbidiums, as the Pumilum used in all three crosses was variety Yashima, which does not have the heavy veining that most Pumilums have.

Sizes 1 Bulb, 2 Bulbs, 3 Bulbs

57-58—CATHY SUE (Saigon x Pumilum)

Saigon is a very free flowering deep burgundy colored diploid. It carries a spike of many flowers held well above the foliage. Flowers from this cross will vary from rose to deep maroon.

Sizes 1 Bulb, 2 Bulbs, 3 Bulbs

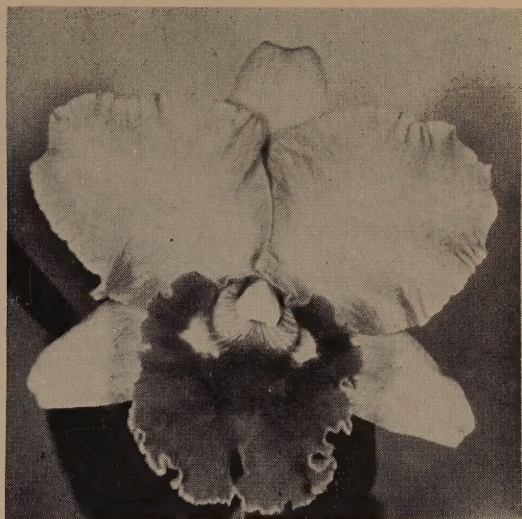
We have available plants in 4 inch pots of Phalaenopsis Luedemanniana Pulchra 'Purpurea'. This species has been quite scarce until now. The flowers vary from nearly solid color to completely deep magenta. We used one of these in making our cross # 58-82.

These propagations are priced at \$7.50 each.

On orders of ten plants or more, in any combination, you may deduct ten per cent.

Cattleya Seedlings

Seedlings listed as bare root are taken from community flats. They have made up their seedling leaves and are forming their first growth. Plants from 2½ inch pots have the first growth well on the way and in some cases have started their second growth. Three inch pots have 3 to 4 growths.



LC SEATTLE 'DOLORES'

LC. BONANZA 'MILDRED WAGNER' AM/AOS x LC. SEATTLE 'DOLORES' HCC/ODC

Two very fine deep purple flowers. Bonanza is already proving itself as a parent, and we expect really great things from Seattle.

Sizes Bare-root @ \$2.50, 2½" pots @ \$3.50

C. DAVID FAIRCHILD x LC. BONANZA 'BULLION'

David Fairchild is a dark flower of very heavy substance. It is a little larger than a good Portia. These seedlings are terrific growers as they are triploids. Mature plants should carry from 4 to 6 flowers on a stem. This should be a wonderful cut flower as well as exhibition plant.

Sizes Bare-root @ \$2.00, 2½ inch pots @ \$2.50, 3 inch pots @ \$5.00

C. GENERAL PATTON x SELF

This is a very fine General Patton. Flowers are large with fine form and are carried well above the foliage.

Sizes 3½ inch pots @ \$7.50

LC. BONANZA x C. BERTII

Color should be medium purple. Substance will be very hard, and flowers will be long lasting. This should make a well keeping cut flower.

Size Bare-root @ \$2.00

LC. PACIFIC 'COMPACTA' x C. PORCIA 'CANNIZARO'

LC. Pacific is a deep red-purple of remarkable substance. Porcia, we are sure needs no description. These seedlings should bear an abundance of very dark 3 to 4 inch blooms.

Size Bare-root @ \$2.00

SLC. MIAMI 'RED COAT' x SLC. LINDORES XXX

The Miami is a fine red with deeper splashes on the petals. The Lindores is considered the best of the cross. Should produce some fine deep reds.

Sizes Bare-root @ \$2.50, 2½ inch pots @ \$3.50

C. BOW BELLS x C. NELLIE ROBERTS

Nellie Roberts is Bow Bells x Dowiana. Crossing this back on Bow Bells there is a possibility of a few fine yellows appearing.

Size Bare-root @ \$2.00

POT TRIPOLI 'TYOH' AM/AOS x LC. SEATTLE 'DOLORES' HCC/ODC

Two very good parents. Should be a large percentage of deep red-purple progeny. For brilliant deep colors, we feel this line of breeding holds great promise.

Size Bare-root @ \$2.50

C. MEM. CLARK DAY, SR. (Bob Betts 'Jeanette' AM/AOS x Loddigesii 'Stanley's' FCC/RHS)

We are looking for semi-cluster type flowers for the Spring season. Form and substance will be excellent. Flowers should be a little larger than Henrietta Japhet. This should be a wonderful cut flower. Pot Size 3" - \$5.00, 3½" - \$7.50

SL. PSYCHE

Here is a remake of a famous cross. Flowers are small and range in color from orange to red. SL. Psyche is in the background of many famous Sophros. Plants are dwarf in growth and should flower in 2½ or 3 inch pots.

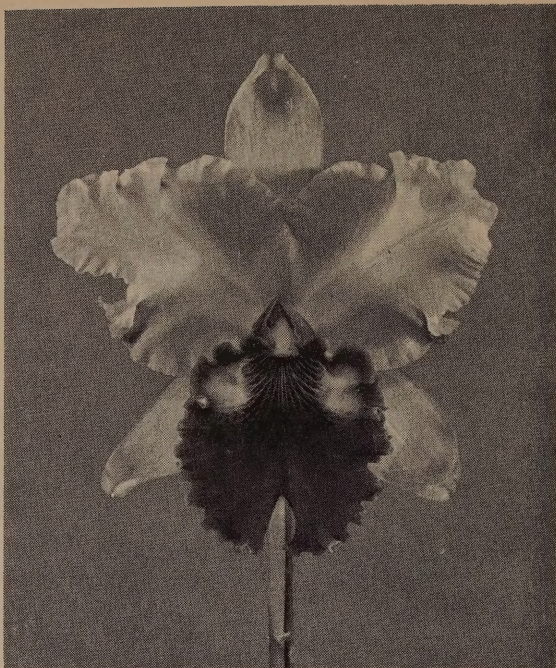
Size 2½" @ \$3.50

On orders of ten plants or more, in any combination, you may deduct ten per cent.

SEEDLINGS

by

Nancy
Ann



LC. KALAMA 'TORCH'

We are very proud to have been selected to offer seedlings from the fabulous collection of Miss Nancy Ann Abbott. The background of every parent plant has been thoroughly studied by Miss Abbott before attempting the cross, and the results completely justify this research.

To those who want only the finest, we highly recommend these seedlings:

517—LC. KALAMA (LC. Cuesta 'N.A.' AM/AOS x Nigritian 'K of K' AM AOS ODC)

Flowering in a four inch pot this tiny seedling produced a seven inch flower, rich in color of fine shape and substance. The lip is outstanding. Pronounced "Too young to be judged," this 'baby' combined with LC. Seattle 'Dolores' produced a pod #769 containing eighty percent viable seed, now flourishing in flasks which will be available this Fall. Siblings of this plant, equally good, have been mated with LC. Ennerdale #2 cross #849 and LC. Bonanza 'Mildred Wagner' AM cross #854. Available at the same time — Fall flowering but controllable.

Size 3" @ \$6.00

524—(LC. Ennerdale 'Nocturne' x LC. Seattle 'Dolores') HCC ODC

LC. Ennerdale 'Nocturne' is as beautiful as a Chopin melody. Large, dark and full, it has everything a gorgeous flower should have. Mated with Seattle 'Dolores' it has produced heavy, broad leaved seedlings that are as beautiful as any flower to look at. Season should be Summer and Fall.

Sizes Bare-root @ \$2.50, 2½" @ \$3.50, 3" @ \$6.00

533—LC. PAIRIKA (LC. Detta AM x C. Nigritian AM AOS ODC)

The few of this cross which have flowered are large, flat flowers with good, dark color, like all Nigritian progeny showing a fine lip. With equal parts of labiata, gigas and Trianaei, and predominance of Dowiana, season should be variable.

Size Bare-root @ \$2.50

539—LC. NIGRESCENT (LC. Bonanza #2 x C. Nigritian 'K of K' AM AOS ODC)

This is a cross for superlatives — rich, dark color, elegant form, good substance and large in size. Five sixteenths of its component parts are Dowiana, imparting good lip and color. With almost one quarter labiata, it should be very controllable.

Sizes Bare-root @ \$2.50, 2½" @ \$3.50, 3" @ \$6.00, 4" @ \$10.00

543—LC. SABA (LC. Ennerdale #2 x Nigritian 'K of K' AM AOS ODC)

The Ennerdale used here is one of the finest of L. Pumila hybrids. Large, round and dark with gorgeous lip. While the normal blooming period is late Fall to Winter, with three sixteenths labiata it should be very controllable.

Size Bare-root @ \$2.50

549—LC. QUADROON (LC. Susan 'Sophisticate' x C. Nigritian 'King of Kings' AM AOS ODC)

LC. Quadroon needs no introduction. This cross was first made several years ago by another hybridist using the same clone of Susan as a pod parent crossed with pollen from our Nigritian. This is a re-make using the same parents. Several fine examples of LC. Quadroon have been awarded, one of the finest being variety Darky.

Size Bare-root @ \$2.50

On orders of ten plants or more, in any combination, you may deduct ten per cent.

CONTINUATION OF SEEDLINGS BY NANCY ANN

554—LC. INTENSITY (LC. Integrity 'Universe' x C. Nigritian) AM AOS ODC

LC. Integrity 'Universe' is a large, well shaped flower of good substance with a beautiful, velvet-like lip with yellow throat. This mating of two tetraploids has resulted in some fine offspring. Blooming time, Fall to Winter, but controllable.

Size Bare-root @ \$2.50, 2½" @ \$3.50

557—BLC. MARY SAN (BLC. Jane Helton HCC ODC x C. Argentierras)

BLC. Jane Helton 'Papaya' HCC ODC is a lovely, apricot colored concolor, showing only the faintest tinge of color on the extreme tip of the labellum. Crossed with a white of heavy substance and nice form, this is a speculative cross.

Size Bare-root @ \$2.50

558—LC. FIRE WATER (LC. Jervis Bay 'Sparkle' x C. Pele 'Haleakala' AM AOS ODC)

All of the Peles flowered to date have been awarded. This cross Tethys 'Inferno' x Michael Sander is far superior to either parent, having the brilliant coloring of both but showing more shape and substance. LC. Jervis Bay 'Sparkle' is a well shaped flower of good substance. Here we have equal parts of giga, labiata and Trianaei, plus one quarter Dowiana. Should flower late Summer and Fall, though the parents have flowered occasionally in Spring.

Bare-root @ \$2.50

559—BLC. DARK WATERS (BLC. Norman's Bay 'Regal' HCC AOS ODC x C. Nigritian) AM AOS ODC

The first sowing of seed from this cross produced flowers of such beauty that we felt justified in resowing it. The result is amazingly husky seedlings with broad leafgrowth and very heavy substance. Flowers from the first sowing were large and dark combining the best characteristics of both parents. Fall flowering but one quarter labiata makes it controllable.

Bare-root @ \$2.50

560—LC. CONGOLESE (LC. Richilieu 'Duc' x C. Nigritian AM AOS ODC)

Like the 559 cross, this is a resow resulting in 'hard as rocks' little seedlings. LC. Richilieu 'Duc', a cross of LC. Hilary x LC. Ishtar FCC, has tremendous substance both in the flowers and leaves. The color is brilliant, dark lavender, and though the size is not quite as large as Nigritian, this has not influenced the size of the progeny — over ¼ labiata — very controllable.

Bare-root @ \$2.50

561—C. TETHYS 'INFERNO' AM AOS x LC. SEATTLE 'DOLORES' HCC ODC

This is a mating of two breathtakingly beautiful flowers. Seattle 'Dolores' produced by Black & Flory has been called "The most beautiful cattleya in the world." Unfortunately, this flower was shown for award, flowering on a back bulb. The future should bring a much higher point score for this lovely flower. Its massive form, combined with the brilliance of C. Tethys 'Inferno', should result in some fine exhibition flowers. More than three sixteenths labiata for control.

Bare-root @ \$2.50

SHIPPING INSTRUCTIONS

Packing is free of charge for all plants listed here. Prices F.O.B., Santa Cruz, California. In California, add 4% state sales tax.

In order to avoid unnecessary delays and misunderstandings, please specify clearly method of shipment. We recommend that all shipments east of the Mississippi and to foreign countries, be made by air. Plants will be shipped out of pots unless specified otherwise.

California purchasers will be pleased to learn that their plants will not be delayed for inspection on arrival in any County in California except Ventura, and Tulare Counties, which are not yet in the "Pinto Tag" program. The "Pinto Tag" on your shipment certifies that our greenhouses have been California State inspected and certified clean.

Santa Cruz

TROPICAL GARDENS

1220 41ST AVENUE

SANTA CRUZ, CALIFORNIA

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